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John T. Pienkos
John T. Pienkos, Reg. No. 42,997

2632

#2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE **RECEIVED**

Applicant:

Ernst H. Dummermuth

Application No.:

09/805,410

Filed:

March 13, 2001

For:

MICROELECTRICALMECHANICAL
SYSTEM (MEMS) ELECTRICAL ISOLATOR
WITH REDUCED SENSITIVITY TO
INERTIAL NOISE

Group Art:

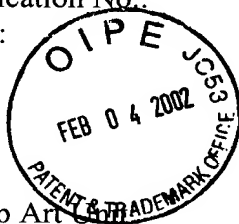
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Examiner:

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Atty. Docket No.:

110003.97346



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UNDER 37 C.F.R. §§1.97 AND 1.98**

Commissioner for Patents
Washington, D.C. 20231

Sir:

This paper is being presented for filing in the above case pursuant to Rules 97 and 98 of the Rules of Practice. A Form PTO-1449 "Information Disclosure Statement by Applicant" is attached which lists the references cited and copies of the references are enclosed.

No additional fees for filing this paper are believed to be due. However, the Commissioner is hereby authorized to charge any additional fees due or to credit any overpayment to deposit account no. 17-0055.

Respectfully submitted,

John T. Pienkos

John T. Pienkos

Reg. No. 42,997

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+

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Complete if Known

Application Number	09/805.410
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Filing Date	March 13, 2001
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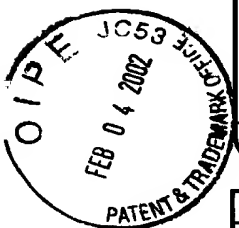
First Named Inventor	Ernst H. Dummermuth
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Group Art Unit

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Attorney Docket Number	110003.97346
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Sheet	1	of	4
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,578,976		Yao	11/26/1996	
		5,761,350		Koh	6/2/1998	
		5,783,340		Farino et al.	7/21/1998	
		5,804,314		Field et al.	9/8/1998	
		5,903,380		Motamedi et al.	5/11/1999	
		5,959,516		Chang et al.	9/28/1999	
		5,995,688		Aksyuk et al.	11/30/1999	
		6,046,066		Fang et al.	4/4/2000	
		6,071,426		Lee et al.	6/6/2000	
		6,094,102		Chang et al.	7/25/2000	
		6,100,477		Randall et al.	8/8/2000	
		6,114,794		Dhuler et al.	9/5/2000	
		6,137,206		Hill	10/24/2000	
		6,159,385		Yao et al.	12/12/2000	
		6,188,322		Yao et al.	2/13/2001	
		6,232,841		Bartlett et al.	5/15/2001	
		6,232,847		Marcy, 5th et al.	5/15/2001	

FOREIGN PATENT DOCUMENTS

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1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

Complete if Known

Application Number 09/805,410
Filing Date March 13, 2001
First Named Inventor Ernst H. Dummermuth
Group Art Unit ---
Examiner Name
Attorney Docket Number 110003.97346

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	Toumazou, C. et al., n-step Charge Injection Cancellation Scheme for Very Accurate Switched Current Circuits, Electronic Letters, V.30 (9) 680-681: 1994.	
	2	Emmerich, H., et al., A Novel Micromachined Magnetic-Field Sensor, MEMS 99 IEEE Conference, January 17-21, 1999, IEEE Catalog No. 99ch36291c.	
	3	Madou, Marc, Fundamentals of Microfabrication, Chapters 2-4, CRC Press LLC, Boca Raton, FL: 1997.	
	4	Kovacs, Gregory T.A., Micromachined Transducers Sourcebook, Table of Contents, pp. 77-119 and Index, WCB McGraw-Hill, U.S.A.: 1998.	
	5	Teegarden, Darrell et al., How to Model and Simulate Microgyroscope Systems, IEEE Spectrum, 66-75, July 1998.	
	6	Emmerich, Harald et al., Magnetic Field Measurements with a Novel Surface Micromachined Magnetic-Field Sensor, IEEE Transactions on Electron Devices, V. 47 (5) 972-977, May 2000.	
	7	McGruer, N.E. et al., Electrostatically Actuated Microswitches; Scaling Properties, Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina, June 8-11, 1998, pp.132-135.	
	8	Miyajima, Hiroshi et al., High-Aspect-Ratio Photolithography for MEMS Applications, J. of Microelectromechanical Sys., V.4(4) 220-229, Dec. 1995.	
	9	Lu, Crist et al., A Monolithic Surface Micromachined Accelerometer with Digital Output, IEEE J. of Solid State Circuits, V. 30 (12) 1367-1373, Dec. 1995.	
	10	Chen, Ming-Jer et al., Weak Inversion Charge Injection in Analog MOS Switches, IEEE J. of Solid-State Circuits, V. 30 (5) 604-606, May 1995.	
	11	Lemkin, Mark A. et al., A Fully Differential Lateral S ² Accelerometer with Drift Cancellation Circuitry, Solid-State Sensor and Actuator Workshop, Hilton Head, South Carolina, June 2-6, 1996, pp. 90-93.	

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Sheet	3	of	4
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Complete if Known

Application Number	09/805,410
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Filing Date	March 13, 2001
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First Named Inventor	Ernst H. Dummermuth
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Group Art Unit

Examiner Name

Attorney Docket Number	110003.97346
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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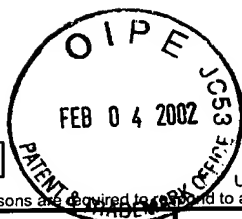
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1. The number of people who are affected by the problem.		
2. The severity of the problem.		
3. The likelihood of the problem occurring.		
4. The cost of the problem.		
5. The time it takes to solve the problem.		
6. The complexity of the problem.		
7. The availability of resources to solve the problem.		
8. The impact of the problem on the organization's reputation.		
9. The potential for legal action against the organization.		
10. The overall risk to the organization.		

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		Group Art Unit	---
		Examiner Name	
Attorney Docket Number	110003.97346		
Sheet	4	of	4

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	1	U.S. Patent Application No.: 09/406,654, filed on September 27, 1999.	
	2	U.S. Patent Application No.: 09/400,125, filed on September 21, 1999.	
	3	U.S. Patent Application No.: 09/406,509, filed on September 28, 1999.	
	4	U.S. Patent Application No.: 09/955,493, filed on September 18, 2001.	
	5	U. S. Patent Application No.: 09/955,494, filed on September 18, 2001.	
	6	U.S. Patent Application No.: 09/675,861, filed on September 29, 2000.	

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